

Please type a plus sign (+) inside this box → [+]

SUPPLEMENTAL PTO/SB08A (08-03)

U.S. Patent and Trademark Office; U. S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/PTO		COMPLETE IF KNOWN	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/724839
		Confirmation Number	2171
		Filing Date	December 1, 2003
		First Named Inventor	Sunvold et al.
		Group Art Unit	1615
		Examiner Name	
		Attorney Docket Number	P147
SHEET 1 of 3		MAY 18 2005	

U. S. PATENT DOCUMENTS

EXAMINER INITIALS*	Cite No. ¹	DOCUMENT NUMBER Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
nl	1	US-4,927,811	05-22-1990	Coors Biotech, Inc.	
	2	US-5,294,458	03-15-1994	Maruha Corp.	
	3	US-5,616,569	04-01-1997	The Iams Company	
✓	4	US-6,596,332	07-22-2003	Nestec S.A.	
		US-			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIALS*	Cite No. ¹	FOREIGN PATENT DOCUMENT Country Code ² Number ³ Kind Code ⁴ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T ⁵
MJ	5	WO 01/65949A1	09-13-2001	Mars UK Ltd.		
RL	6	EP 1 243 273 A1	09-25-2002	Societe Des Produits Nestle S.A.		
RL	7	EP 1 125 507 A1	08-22-2001	Tiense Suikerraffinaderij N.V.		
EXAMINER				DATE CONSIDERED	3/14/08	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

*Applicant's unique citation designation number (optional). ²See Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 37 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Please type a plus sign (+) inside this box → [+]

SUPPLEMENTAL PTO/SB08B (08-03)

U.S. Patent and Trademark Office; U. S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/PTO		COMPLETE IF KNOWN	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/724839
		Confirmation Number	2171
		Filing Date	December 1, 2003
		First Named Inventor	Sunvold et al.
		Group Art Unit	1615
		Examiner Name	
		Attorney Docket Number	P147
SHEET 2 of 3		MAY 18 2005	

NON-PATENT LITERATURE DOCUMENTS

EXAMINE R INITIALS*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
RJ	8	SUNVOLD ET AL., "In Vitro Fermentation Of Selected Fibrous Substrates By Dog And Cat Fecal Inoculum: Influence of Diet Composition On Substrate Organic Matter Disappearance And Short-Chain Fatty Acid Production", <u>Journal of Animal Science</u> , vol. 73, no. 4, 1995, pgs. 1110-1122	
	9	PROST ET AL., "A Dose-Response Experiment Evaluating The Effects Of Oligofructose And Inulin On Nutrient Digestibility, Stool Quality, And Fecal Protein Catabolites In Healthy Adult Dogs", <u>J. Animal Science</u> , vol. 81, 2003, pgs. 3057-3066	
	10	SWANSON ET AL., "Supplemental Fructooligosaccharides And Mannanoligosaccharides Influence Immune Function, Ileal And Total Tract Nutrient Digestibilities, Microbial Populations And Concentrations Of Protein Catabolites In The Large Bowel of Dogs", <u>American Society For Nutritional Sciences</u> , vol. 132, 2002, pgs. 980-989	
	11	HUSSEIN, H. S., FLICKINGER, E. A., AND FAHEY, G. C., „Petfood Applications Of Inulin And Oligofructose,“ <u>Journal Of Nutrition</u> , vol. 129, 1999, pgs. 1454-1456, XP002323326	
	12	GRIESBOP CHRISTINE M ET AL: "Gastrointestinal And Immunological Responses Of Senior Dogs To Chicory And Mannanoligosaccharides." <u>FASEB Journal</u> , vol. 17, no. 4-5, March, 2003, XP002324194, Abstract No. 202.5	
	13	PATIL AVINASH R ET AL: "Supplementation Of Soluble Fiber To Wet Cat Food Affects Fecal Microflora Of Cats." <u>FASEB Journal</u> , vol. 16, no. 4, March 20, 2003, page A654, Abstract XP002324182	
✓	14	OHTA ATSUTANE ET AL: "Prevention Of Coprophagy Modifies Magnesium Absorption In Rats Fed With Fructo-Oligosaccharides," <u>British Journal Of Nutrition</u> , vol. 75, no. 5, 1996, pgs. 775-784, Abstract, XP002324183	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

*Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 37 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

EXAMINER	DATE CONSIDERED
P147PTO-SB08	2/14/07

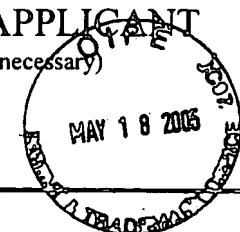
Please type a plus sign (+) inside this box → [+]

SUPPLEMENTAL PTO/SB08B (08-03)

U.S. Patent and Trademark Office; U. S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/PTO		COMPLETE IF KNOWN	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <small>(use as many sheets as necessary)</small>		Application Number	10/724839
		Confirmation Number	2171
		Filing Date	December 1, 2003
		First Named Inventor	Sunvold et al.
		Group Art Unit	1615
		Examiner Name	
SHEET 3 of 3		Attorney Docket Number	P147



NON PATENT LITERATURE DOCUMENTS

EXAMINE R INITIALS*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
AA	15	OYARZABAL, O. A. AND CONNER, D. E.: "Application Of Deirect-Fed Microbial Bacteria And Fructooligosaccharides For Salmonella Control In Broilers During Feed Withdrawal," <u>Poultry Science</u> , vol. 75, 1996, pgs. 186-190, XP008045301	
	16	HOGARTH, A. J. C. L. ET AL.: "Ion Chromatographic Determination Of Three Fructooligosaccharide Oligomers In Prepared And Preserved Foods," <u>Journal Of Agricultural And Food Chemistry</u> , vol. 48, 2000, pgs 5326-5330, XP002323323, US American Chemical Society, Washington, pg 5327, c. 1, paragraph 4, pg. 5328, c.1 paragraphs 2, tables 3	
	17	CAMPBELL, J.M. ET AL.: "Selected Fructoligosaccharide (1-Kestose, Nystose, And 1-Beta-Fructofuranosylnystose) Composition Of Foods And Feeds," <u>Journal Of Agricultural And Food Chemistry</u> , vol. 45, 1997, pgs. 3076-3082 XP002323324, US American Chemical Society, Washington, pg. 3076, c. 2, paragraph 2, pg. 3077, c. 1, paragraphs 2, 3, tables 5, 7	
	18	ZENTEK, J., MARQUART, B., PIETRZAK, T., BALLEVRE, O., AND ROCHAT, F.: "Dietary Effects On Bifidobacteria And Clostridium Perfringens In The Canine Intestinal Tract," <u>Journal Of Animal Physiology And Animal Nutrition</u> , vol. 87, November 2003, pgs. 397-407, XP002324180	
	19	L'HOMME, C., PUIGSERVER, A., AND BIAGINI, A.: "Effect Of Food Processing On The Degradation Of Fructoligosaccharides In Fruit." <u>Food Chemistry</u> , vol. 82, September 2003, pgs. 533-537, XP00232335, Gbelsevier Science Publishers Ltd., fig. 3; table 1.	
	20	OLI M W ET AL: "Influence Of Fructooligosaccharide (Neosugar) In Oral Electrolyte Solutions (OES) For Treatment Of Secretory Diarrhea," Abstracts Of The General Meeting Of The American Society For Microbiology, The Society, Washington, DC, US, vol. 95, 1995, pg. 205, XP000617800 Abstract	
✓	21	CHANDRA G ET AL: "The Addition Of Neosugar To Oral Electrolyte Solutions (OES) For Treatment Of Acute Diarrhea," <u>FASEB Journal</u> , Fed. Of American Soc. For Experimental Biology, vol. 9, no. 3, 1995 pg. A368, XP002025324, Abstract	
EXAMINER		DATE CONSIDERED	7/14/07

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 37 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Please type a plus sign (+) inside this box → [+]

PTO/SB08A (08-03)

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

APR 21 2004
INFORMATION DISCLOSURE
STATEMENT BY APPLICANT
(use as many sheets as necessary)

SHEET 1 of 3

U.S. Patent and Trademark Office; U. S. DEPARTMENT OF COMMERCE

COMPLETE IF KNOWN

Application Number	10/724839
Confirmation Number	2171
Filing Date	December 1, 2003
First Named Inventor	Sunvold et al.
Group Art Unit	1615
Examiner Name	
Attorney Docket Number	P147

U. S. PATENT DOCUMENTS

EXAMINER INITIALS*	Cite No. ¹	DOCUMENT NUMBER Number - Kind Code ² (If known)	PUBLICATION DATE MM-DD-YYYY	NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT	Page, Column, Line(s) Where Relevant Passage(s) or Relevant FIGURES Appear
	1	US-2003/0040492A1	02-27-2003	Haschke et al.	
	2	US-2003/0194478A1	10-16-2003	Davenport et al.	
	3	US-4,734,402	03-29-1988	Hashimoto et al.	
	4	US-5,776,524	07-07-1998	Gregory A. Reinhart	
	5	US-5,952,033	09-14-1999	Anantharaman et al.	
	6	US-5,958,898	09-28-1999	Hayek et al.	
	7	US-5,965,175	10-12-1999	Reinhart et al.	
	8	US-6,039,952	03-21-2000	Sunvold et al.	
	9	US-6,093,418	07-25-2000	Sunvold et al.	
	10	US-6,117,872	09-12-2000	Maxwell et al.	
	11	US-6,306,442B1	10-23-2001	Sunvold et al.	
	12	US-6,391,375B1	05-21-2002	Janel Fone	
	13	US-6,468,525B1	10-22-2002	Watson et al.	
	14	US-RE8,112E	05-06-2003	Sunvold et al.	

EXAMINER

DATE CONSIDERED

3/16/07

EAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

*Applicant's unique citation designation number (optional). ²See Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 37 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Please type a plus sign (+) inside this box → [+]

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/PTO		COMPLETE IF KNOWN	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/724839
		Confirmation Number	2171
		Filing Date	December 1, 2003
		First Named Inventor	Sunvold et al.
		Group Art Unit	1615
		Examiner Name	
		Attorney Docket Number	P147
SHEET 2 of 3			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIALS*	Cite No. ¹	FOREIGN PATENT DOCUMENT Country Code ² Number ³ Kind Code ⁴ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T ⁵
	15	JP4016163A2	01-21-1992	Masayasu et al.		
	16	W0 01/17365A1	03-15-2001	Societe Des Produits Nestle S.A.		
	17	W0 01/17366A1	03-15-2001	Societe Des Produits Nestle S.A.		
	18	W0 01/21008A2	03-29-2001	Societe Des Produits Nestle S.A.		
	19	W0 01/64225A1	09-07-2001	Societe Des Produits Nestle S.A.		
	20	W0 02/076471A1	10-03-2002	Societe Des Produits Nestle S.A.		
	21	W0 02/100188A1	12-19-2002	Erber Aktiengesellschaft		
	22	W0 03/088764A1	10-30-2003	Mars Incorporated		
	23	W0 99/22604A1	05-14-1999	Mars UK Limited		
EXAMINER				DATE CONSIDERED	2/14/07	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

*Applicant's unique citation designation number (optional). ²See Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 801.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. *Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 37 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Please type a plus sign (+) inside this box → [+]

PTO/SB08B (08-03)

U.S. Patent and Trademark Office; U. S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/PTO		COMPLETE IF KNOWN	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/724839
		Confirmation Number	2171
		Filing Date	December 1, 2003
		First Named Inventor	Sunvold et al.
		Group Art Unit	1615
		Examiner Name	
		Attorney Docket Number	P147
SHEET 3 of 3			

NON PATENT LITERATURE DOCUMENTS

EXAMINER INITIALS*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, series, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
<i>AA</i>	24	WILLARD ET AL., "Effects Of Dietary Supplementation Of Fructo-oligosaccharides On Small Intestinal Bacterial Overgrowth In Dogs", Am. J. Vet Res., Vol. 55, No. 5, May 1994 pgs. 654-659	
	25	STRICKLING ET AL., "Evaluation Of Oligosaccharide Addition To Dog Diets: Influences On Nutrient Digestion And Microbial Populations", Animal Feed Science And Technology, Vol. 86, 2000, pgs. 205-219	
	26	ZIEGLER ET AL., "Present Knowledge In Nutrition", International Life Sciences Institute, Seventh Edition, 1998, pgs. 245-155	
	27	GRIFFIN ET AL., "Enriched Chicory Inulin Increases Calcium Absorption Mainly In Girls With Lower Calcium Absorption", Nutrition Research, 23 (2003), pgs. 901-909	
	28	RICHARDSON ET AL., "Developmental Orthopedic Disease Of Dogs", Small Animal Clinical Nutrition, 4 th Edition, Chapter 17, pgs. 505-521	
	29	MOROHASHI ET AL., "Nutrient Requirements And Interactions Research Communication", The Journal Of Nutrition, Oct. 1998, 128, 10, Research Library, pgs. 1815-1818	
	30	TAKAHARA ET AL., "Nutrient Metabolism - Research Communication", The Journal Of Nutrition, Jul. 2000, 130, 7: Research Library, pgs. 1792-1795	
	31	MINEO ET AL., "Nutrient Interactions And Toxicity Research Communication", The Journal Of Nutrition, Dec. 2001, 131, 12; Research Library, pgs. 3243-3246	
	32	OHTA ET AL., "Nutrient Interactions and Toxicity", The Journal Of Nutrition, Jul. 2002, 132, 7; Research Library, pgs. 2048-2054	
	33	KEVIN CASHMAN, "Prebiotics and Calcium Bioavailability", Horizon Scientific Press, 2003 4, pgs. 21-32	
	34	TAKASAKI ET AL., "Dietary Short-Chain Fructooligosaccharides Increase Calbindin-D9k Levels Only In The Large Intestine In Rats Independent Of Dietary Calcium Deficiency Or Serum 1,25 Dihydroxy Vitamin D Levels", Int. J. Vitam. Nutr. Res., 70 (5), 2000, pgs. 206-213	
	35	TAHIRI ET AL., "Effect Of Short-Chain Fructooligosaccharides On Intestinal Calcium Absorption And Calcium Status In Postmenopausal Women: A Stable-Isotope Study ¹⁻³ ", Am. J. Clin. Nutr., 2003; 77, pgs. 449-457	
	36	FLICKINGER ET AL., "Nutrient Digestibilities, Microbial Populations, And Protein Catabolites As Affected By Fructan Supplementation Of Dog Diets", Am. J. Animal Science, 2003, 81, pgs. 2008-2018	
	37	THE NATIONAL ACADEMIES, "Nutrient Requirements Of Dogs And Cats", Animal Nutrition Series	
EXAMINER		DATE CONSIDERED	<i>7/14/07</i>

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

*Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 37 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.